ELSEVIER

Biomembranes

Vol. 1414, Nos. 1–2; 11 November 1998

BIOCHIMICA ET BIOPHYSICA ACTA

BBA

Contents

BBA is cited in: Current Contents/Life Sciences - Biological Abstracts - Chemical Abstracts - Index Chemicus - Index Medicus/MEDLINE - Cambridge Scientific Abstracts (CSA) - EMBASE/Excerpta Medica - Reference Update - Elsevier BIOBASE/Current Awareness in Biological Sciences

Information for Contributors vii

Regular papers

The guinea pig cochlear AE2 anion exchanger: cDNA cloning and in situ localization within the cochlea
A.N. Mhatre, G. Charachon, S.L. Alper and A.K. Lalwani (USA) 1

Alteration of myogenic regulatory components in a rat myoblast GLUT 3$^-$ mutant
D.M. Mazzuca and T.C.Y. Lo (Canada) 16

Kinetics of the interactions of a dicarboxylic porphyrin with unilamellar lipidic vesicles: interplay between bilayer thickness and pH in rate control
N. Maman and D. Brault (France) 31

Kinetics of ultraweak light emission from human erythroleukemia K562 cells upon electroporation
M. Maccarrone, C. Fantini, A.F. Agrò and N. Rosato (Italy) 43

Functional and physical association of a cell surface phospholipid and interleukin-2 receptor p55(α) subunits
H.U. Saragovi, A. Bhandoola, J.-L. Moreau, N. Lavine, M. Gagnon, M.M. Lemercier and J. Théze (Canada, France, USA) 51

Identifying the cholesterol binding domain in the nicotinic acetylcholine receptor with [^{125}I]azido-cholesterol
J. Corbin, H.H. Wang and M.P. Blanton (USA) 65

Stress differentially induces cationic amino acid transporter gene expression
D.K. Kakuda, K.D. Finley, M. Maruyama and C.L. MacLeod (USA) 75

Induction of cystine transport via system x_c^- and maintenance of intracellular glutathione levels in pancreatic acinar and islet cell lines
H. Sato, K. Kuriyama-Matsumura, R.C.M. Siow, T. Ishii, S. Bannai and G.E. Mann (Japan, UK) 85

Reconstitution of membrane fusion between pancreatic islet secretory granules and plasma membranes: catalysis by a protein constituent recognized by monoclonal antibodies directed against glyceraldehyde-3-phosphate dehydrogenase
X. Han, S. Ramanadham, J. Turk and R.W. Gross (USA) 95

The interaction of *Staphylococcus aureus* bi-component γ-hemolysins and leucocidins with cells and lipid membranes
M. Ferreras, F. Höper, M. Dalla Serra, D.A. Colin, G. Prévost and G. Menestrina (France, Italy) 108

Cellular uptake of an α-helical amphipathic model peptide with the potential to deliver polar compounds into the cell interior non-endocytically
J. Oehlke, A. Scheller, B. Wiesner, E. Krause, M. Beyermann, E. Klauschenz, M. Melzig and M. Bienert (Germany) 127

^{113}Cd-, ^{31}P-NMR and fluorescence polarization studies of cadmium(II) interactions with phospholipids in model membranes
L. Girault, A. Boudou and E.J. Dufourc (France) 140

Binding of prothrombin and its fragment 1 to phospholipid membranes studied by the solvent relaxation technique
R. Hutterer, F.W. Schneider, W.T. Hermens, R. Wagenvoord and M. Hof (Czech Republic, Germany, Netherlands) 155

Barotropic phase transitions and pressure-induced interdigitation on bilayer membranes of phospholipids with varying acyl chain lengths
H. Ichimori, T. Hata, H. Matsuki and S. Kaneshina (Japan) 165

Comparison of plasma membrane H$^+$-ATPase activity in vesicles obtained from dry and hydrated maize embryos
S. Sánchez-Nieto, M.T. de Gómez-Puyou, R. Rodríguez-Sotres, A. Carballo and M. Gavilanes-Ruíz (Mexico) 175

Ionophore-mediated uptake of ciprofloxacin and vincristine into large unilamellar vesicles exhibiting transmembrane ion gradients
D.B. Fenske, K.F. Wong, E. Maurer, N. Maurer, J.M. Leenhouts, N. Boman, L. Amankwa and P.R. Cullis (Canada) 188

Loading of doxorubicin into liposomes by forming Mn^{2+}-drug complexes
B.C.L. Cheung, T.H.T. Sun, J.M. Leenhouts and P.R. Cullis (Canada) 205

Characterization of glucose transport activity reconstituted from heart and other tissues
T.J. Wheeler, D. Cole and M. Anne Hauck (USA) 217

Differences in the electrophysiological response to I^- and the inhibitory anions SCN^- and ClO_4^-, studied in FRTL-5 cells
A. Yoshida, N. Sasaki, A. Mori, S. Taniguchi, Y. Ueta, K. Hattori, Y. Tanaka, O. Igawa, M. Tsuboi, H. Sugawa, R. Sato, I. Hisatome, C. Shigemasa, E.F. Grollman and S. Kosugi (Japan, USA) 231

Physical properties and pharmacological activity in vitro and in vivo of optimised liposomes prepared from a new cancerostatic alkylphospholipid
R. Zeisig, D. Arndt, R. Stahn and I. Fichtner (Germany) 238

Rapid reports

Chain-melting transition temperatures of phospholipids with acylated or alkylated headgroups (*N*-acyl phosphatidylethanolamines and *O*-alkyl phosphatidic acids), or with α-branched chains
D. Marsh (Germany) 249

Probing the dynamics of planar supported membranes by Nile red fluorescence lifetime distribution
Ira and G. Krishnamoorthy (India) 255

Evidence of a subunit 4 (subunit b) dimer in favor of the proximity of ATP synthase complexes in yeast inner mitochondrial membrane
C. Spannagel, J. Vaillier, G. Arselin, P.-V. Graves, X. Grandier-Vazeille and J. Velours (France) 260

Short sequence-paper

Cloning and expression analysis of vacuolar H^+-ATPase 69-kDa catalytic subunit cDNA in citrus (*Citrus unshiu* Marc.)
Y. Takanokura, A. Komatsu, M. Omura and T. Akihama (Japan) 265

Author Index 273